

## SERVICE ENTRANCE MANUFACTURED (MOBILE) HOME

Single Phase, 100, 200, or 320 Amp

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**Use:** Arrangement of service equipment to supply electric energy to manufactured (mobile) homes, outside of mobile home parks.

 Previous Revision
 Originated
 Previous Number

 01-01-99
 01-99

LATEST REVISION: Clarified service entrances on remote structures.

REFERENCE: Indiana Electrical Code / National Electrical Code (IEC/NEC), latest revision

Code of Federal Regulations, part 3280: Manufactured Home Construction and Safety

Standards (HUD Code), latest revision

#### SPECIFICATION:

#### 1. GENERAL

- 1.1 Service entrance installations for manufactured homes, shall meet all requirements referenced above, where applicable.
- 1.2 Service entrance installations are subject to approval by any local code enforcing official, where they exist. Where they exist, no service entrances will be energized without such approval.
- 1.3 Where no local code enforcing official exists, NIPSCO personnel shall inspect the service equipment for safety and proper grounding, including any disconnecting means. (The requirements of Spec. 1.8 and Figure 1below shall be included in this inspection.)
- 1.4 Service entrance placement can be either 1) a free standing structure / free standing pedestal, intended for service equipment, or 2) on the home when all applicable HUD regulations are met.
- 1.5 Service equipment shall be mounted plumb and securely, and installed in compliance with the following NIPSCO Standards; ER 5-500 (Entrance Equipment), ER 5-550 (Entrance Run), and ER 7-500 (Grounding).
- 1.6 Service entrances may be installed for overhead or underground service.
- 1.7 Meter sockets, disconnects, conduit, and other associated service equipment hardware shall be supplied by, and installed by the customer. See ER 19-240 for overhead meter sockets, ER 19-270 for underground meter sockets, or ER 19-266 for underground meter pedestals, which are approved for purchase by customer.
- 1.8 If the disconnect inside the home (factory installed), is not rated for use as service equipment, and is therefore fed by a (4) four wire feeder, a service rated disconnecting means shall be installed outside of the home after the meter socket. The neutral shall be bonded to the disconnect enclosure only in this outdoor disconnect, and isolated (separated) in the indoor (factory installed) disconnect. (See Figure 1 for clarification.)

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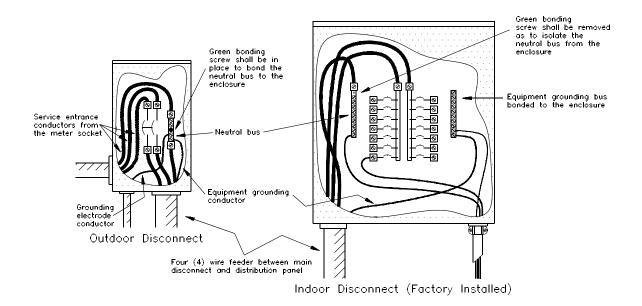


Figure 1 - Wiring of disconnects

#### 2. OPTION #1 - SERVICE ENTRANCE ON REMOTE STRUCTURE

Service Entrance Equipment may be installed on a remote, free standing structure, no more than 30 feet from an exterior wall of the home. The structure and service entrance shall comply with IEC/NEC code, and NIPSCO Standards, and be of the type approved in NIPSCO Standard ER 19-265 (Service Entrance - Underground Self Supported), ER 19-266 (Service Entrance - Underground Self Supported Meter Pedestal), or ER 19-245 (Service Entrance - Overhead Self Supported). (See Figure 2 for clarification.)



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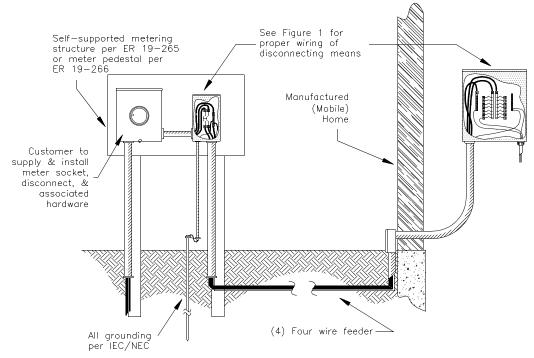


Figure 2 - Typical underground service entrance on remote structure (service entrances may be overhead or underground)

### 3. OPTION #2 - SERVICE ENTRANCE ON HOME

Service Entrance Equipment installed on manufactured homes shall comply with IEC/NEC code, and NIPSCO Standards ER 19-240 (Service Entrance - OH) or ER 19-270 (Service Entrance - UG). (See Figure 3 for clarification.)

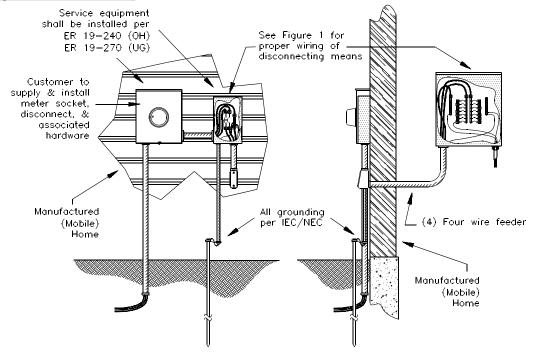


Figure 3 - Typical underground service entrance on manufactured home (service entrances may be overhead or underground)